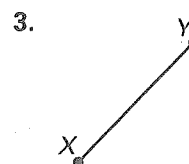


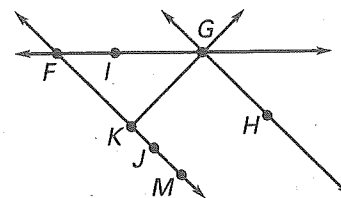
Practice A

For use with pages 28–33

Use a ruler to measure the length of the segment to the nearest millimeter.

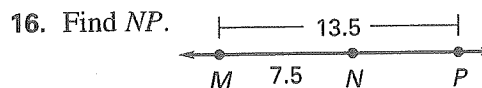
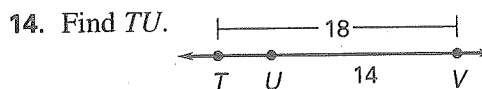
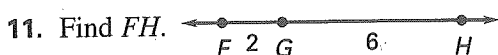


Use the diagram at the right to determine whether the statement is *true* or *false*.

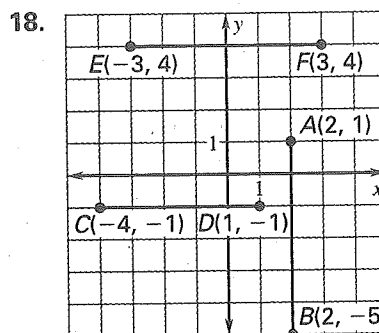
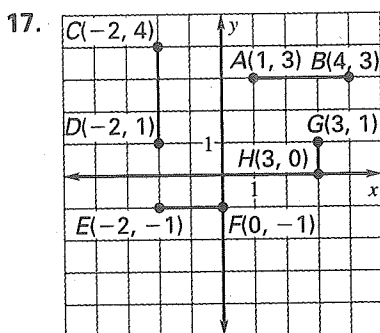


5. K is between F and J .
6. K is between F and G .
7. G is between K and H .
8. I is between G and F .
9. I is between F and H .
10. J is between K and M .

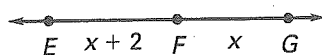
Use the Segment Addition Postulate to find the length.



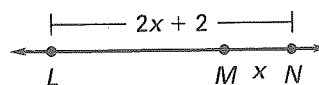
Determine which segments in the coordinate plane are congruent.



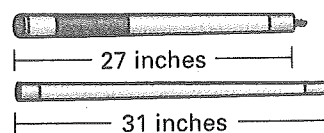
19. Write an expression for EG .



20. Write an expression for LM .



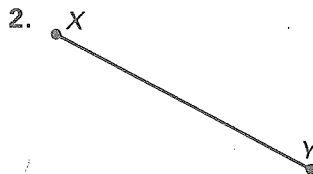
21. Billiards cues often come in two pieces that have to be screwed together for use. When assembled, how long will the cue be that is pictured at the right?



Practice B

For use with pages 28–33

Use a ruler to measure the length of the segment to the nearest half-inch.

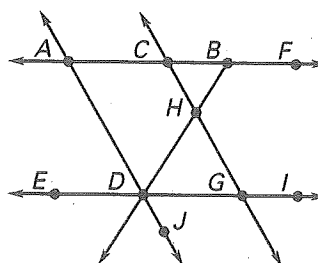


Sketch the three collinear points. Then write the Segment Addition Postulate for the points.

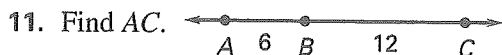
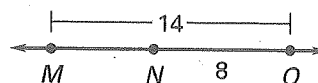
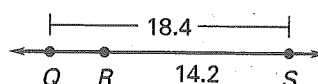
3. J is between L and M .4. Y is between W and X .

Use the diagram at the right to complete the statement.

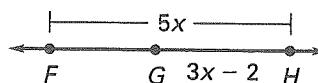
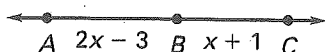
5. The point between C and F is $\underline{\quad ? \quad}$.
6. The point between $\underline{\quad ? \quad}$ and G is D .
7. The point between B and $\underline{\quad ? \quad}$ is H .
8. The point between B and A is $\underline{\quad ? \quad}$.
9. The point between $\underline{\quad ? \quad}$ and D is G .
10. The point between A and $\underline{\quad ? \quad}$ is D .



Find the length.

12. Find MN .14. Find QR .Plot the points in a coordinate plane. Then draw segments \overline{AB} , \overline{CD} , \overline{EF} , and \overline{GH} . Determine which pair of segments are congruent.

15. $A(-3, 3)$, $B(3, 3)$, $C(-3, 1)$, $D(2, 1)$, $E(4, 2)$, $F(4, -4)$, $G(-1, 0)$, $H(-1, -4)$
16. $A(-4, 2)$, $B(-4, -2)$, $C(-1, 3)$, $D(-1, -3)$, $E(2, 3)$, $F(2, -2)$, $G(-3, -3)$, $H(3, -3)$
17. Write an expression for AC .
18. Write an expression for FG .



19. The height of the tree shown at the right is 32 feet. You climb the tree and cut a section off the top at the point shown. How tall is the part of the tree you cut off?

